A B S T R A C T

A METHOD OF BACKING UP A RING OPTICAL TELECOMMUNICATIONS NETWORK AND COMMUNICATIONS NODE, AN AMPLIFIED COMMUNICATIONS NODE, AND A TRAFFIC CONCENTRATOR FOR A BACKED UP RING OPTICAL TELECOMMUNICATIONS NETWORK

The present invention relates to the field of optical telecommunications networks, and more particularly to a method and to devices for backing up a ring optical telecommunications network. The method of the invention corresponds to a method of backing up a ring optical telecommunications network including a traffic concentrator (1) and a communications node (N3) interconnected by an optical fiber (2) (s1, s2) transported in the fiber and addressed to the node. The method of the invention comprises the following successive steps: while the network is being set up, a step of creating a virtual break (C) between the concentrator and the node; and when an at least partial real break in the fiber is detected that limits or interrupts the transmission of the signals to the node, a step of displacing the virtual break so that it coincides with the real break so as to re-establish the reception of the optical signals by the node.

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